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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	6755.US.D1	
First Inventor	Sheng C. Lou	010
Title	See 1 in Addendum	S. G.
Express Mail Label No.	EV314259884US	7

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patient application contents. ADDRESS TO: Commissioner for Patents (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (Submit an original and a duplicate for the processing) (I preferred arrangement set forth below) (Post program listing appendix (I perferred arrangement set forth below) (I perferr		Mail Stop Patent Application
See MPEP chapter 600 concerning utility patent application contents P.O. Box 11450 P.		ADDRESS TO: Commissioner for Patents
1.	See MPEP chapter 600 concerning utility patent application contents.	P.O. Box 1450
Computer Program (Appendix)		<u> </u>
Applicant claims small entity status. See 37 CFR 1.27. Applicant loains small entity status. See 37 CFR 1.27. Applicant loains small entity status. See 37 CFR 1.27. Application and status specification information: Specification information: Specification information: Specification information: Specification Sequence Submission (if applications and is hereby incorporated by reference.) Specification Sequence Listing on: Computer Readable Form (CRF) Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or Submission of the Invention of the Invention of Brief Description of the Drawings (if flied) - Baskground of the Invention - Brief Description of the Drawings (if flied) - Detailed Description - Claim(s) - Abarted the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 10] - Drawing(s) (35 U.S.C. 113) [Total Sheets 3] - Draw		7. CD-ROM or CD-R in duplicate, large table or
See 37 CFR 1.27. See 37 CFR 1.27. Specification [Total Pages 62]		
3. Specification Total Pages 62	See 37 CFR 1.27.	
Descriptive title of the invention	3. X Specification [Total Pages 62]	
- Cross Reference to Related Applications - Statements Regarding ref synonsored R a D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Bird Description of the Drawings (if filed) - Detailed Description - Abstract of the Disclosure - ACCOMPANYING APPLICATION PARTS - ACCOMPANYING APPLICATION PARTS - ACCOMPANYING APPLICATION PARTS - ACCOMPANYING APPLICATION PARTS - Hornward Drawings (if filed) - Accompanying continuation of the section of the Specification following the title, or in an Application Date Sheet under 35 (CFL) - Drawings (if filed) - Drawi		
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Drawing(s) (35 U.S.C. 113) Total Sheets 10 10 37 CFR 3.73(b) Statement Power of Altorney Power of Maltorney Power of Maltor		
5. Oath or Declaration	4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 10]	
a. Newly executed (original or copy) a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.53(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Data Sheet under 37 CFR 1.76: 19. Continuation Data Sheet under 37 CFR 1.76: Continuation Data Sheet under 37 CFR 1.76: Continuation of Divisional Continuation Data Sheet under 37 CFR 1.76: Continuation of Divisional Continuation Data Sheet under 37 CFR 1.76: Prior application information: Examiner J. Parkin Art Unit: 1648 For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been landvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS X Customer Number: 23492 OR Correspondence address below Name Address City Registration No. (Attorney/Agent) 35,441		(when there is an assignee) Attorney
b. \(\text{Copy from a prior application (37 CFR 1.63(d))} \(\text{(for continuation/divisional with Box 18 completed)} \) i. \(\text{DELETION OF INVENTOR(S)} \) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. \(\text{Application Data Sheet. See 37 CFR 1.76} \) 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: \(\text{Continuation Delivisional} \) 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: \(\text{Continuation Divisional} \) \(\text{Continuation-in-part (CIP)} \) \(\text{of prior application No.: 09/731,126. \) Prior application information: \(Examiner J. Parkin \) For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS \(\text{Vip Code} \) Country \(\text{Vip Code} \) Correspondence address below \(\text{Name} \) Return Receipt Postcard (MPEP 503) (Should be specifically itemized) (Citations of Priority Document(s) (if foreign priority is claimed) (if foreign priority is claimed		11. English Translation Document (if applicable)
13. Yeliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i), Applicant must attach form PTO/SB/35 (if foreign priority is claimed) 17. Xequivalent Xeq		1 000,00 0, 100
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18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Continuation Continuation Continuation-in-part (CIP) of prior application No.: 09/731,126		(b)(2)(B)(i). Applicant must attach form PTO/SB/35
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Specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09/731,126 Prior application information: Examiner J. Parkin Art Unit: 1648 For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS X Customer Number: 23492 OR Correspondence address below Name Address City State Zip Code Fax Name (Print/Type) Cheryl L. Becker Registration No. (Attorney/Agent) 35,441	18 If a CONTINUING APPLICATION check appropriate box, and supp	the the requisite information halous and in the first contains of the
Continuation	specification following the title, or in an Application Data Sheet under 3	ny the requisite information below and in the first sentence of the 7 CFR 1.76:
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	Customer Number: 23492	OR Correspondence address below
City State Zip Code Country Telephone Fax Name (Print/Type) Cheryl L. Becker Registration No. (Attorney/Agent) 35,441	Name	
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	Name (Print/Type) Cheryl L. Becker	Registration No. (Attorney/Agent) 35,441

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0332

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL		Complete if Known						
		Appli	cation	Numbe	er .			
for EV 2004		Filing Date			November 17, 2003	November 17, 2003		
for FY 2004			Name	d Inver	ntor Sheng C. Lou	Sheng C. Lou		
Effective 10/01/2003. Patent fees are subject to annual revision.		Examiner Name						
Applicant claims small entity status. See 37 CFR 1.27		Art Unit				_		
TOTAL AMOUNT OF PAYMENT (\$) 750.00		Attorney Docket No.		cket N	lo. 6755.US.D1	6755.US.D1		
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)						
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Order Order		3. ADDITIONAL FEES Large Entity , Small Entity						
X Deposit Account: Deposit	Fee Code	Fee ⇒ (\$)	Fee Code	Fee	Fee Description			
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Deposit Account	1052		2052		Surcharge - late provisional filing fee or	\dashv		
Name		130	1053	130	Non-English specification			
The Director is authorized to: (check all that apply) Charge fee(s) indicated below Credit any overpayments		2,520	1812		For filing a request for ex parte reexamination			
Charge any additional fee(s) or any underpayment of fee(s)		920*	1804	920*	Requesting publication of SIR prior to Examiner action			
Charge fee(s) indicated below, except for the filing fee		1,840*	1805		Requesting publication of SIR after			
to the above-identified deposit account.	4054	440	2054		Examiner action	\dashv		
FEE CALCULATION	1251	110			Extension for reply within first month	\dashv		
1. BASIC FILING FEE	1252 1253		2252		Extension for reply within second month	ᆌ		
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1001 770 2001 385 Utility filing fee		2,010	2255	.,	Extension for reply within fifth month	\exists		
1002 340 2002 170 Design filing fee	1401	330	2401		Notice of Appeal	\dashv		
1003 530 2003 265 Plant filing fee	1402		2402		Filing brief in support of an appeal	\dashv		
1004 770 2004 385 Reissue filing fee	1403		2403		Request for oral hearing	\dashv		
1005 160 2005 80 Provisional filing fee	1451	1,510	2452		Petition to institute a public use proceeding	\dashv i		
SUBTOTAL (1) (\$) 750.00					Petition to revive - unavoidable	\dashv		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2453		Petition to revive - unintentional	\dashv		
Fee from Ext <u>ra Claims below Fee Paid</u>	1501	1,330 480	2501 2502		Utility issue fee (or reissue) Design issue fee	\dashv		
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Large Entity Fee Fee	Small Entity Fee Fee	Fee Description	1806	180	1806	180	Submission of Information Disclosure Stmt	
Code (\$)	Code (\$)		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18	2202 9	Claims in excess of 20	1809	770	2809		Filing a submission after final rejection	
1201 86	2201 43	Independent claims in excess of 3					(37 CFR 1.129(a))	
1203 290	2203 145	Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86	2204 43	** Reissue independent claims					examined (37 CFR 1.129(b))	
		over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 0.00		Other f	Other fee (specify)				L	
**or number previously paid, if greater; For Reissues, see above			*Redu	ced by	Basic F	iling F	Fee Paid SUBTOTAL (3) (\$)	

SUBMITTED BY (Complete (if applicable) Registration No. (Attorney/Agent) Name (Print/Type) Cheryl L. Becker 35,441 Telephone 847-935-1729 Date Signature

> WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADMARK OFFICE

Applicants: Sheng C. Lou, et al.

Group Art No.: (not yet assigned)

Serial No.: (not yet assigned)

(Divisional of application Serial No. 09/731,126; filed 12/6/00; Examiner J. Parkin; Group Art Unit 1648)

Filed: November 17, 2003

Title: MONOCLONAL ANTIBODIES TO **HUMAN IMMUNODEFICIENCY VIRUS**

AND USES THEREOF

Case No.: 6755.US.D1

Examiner: (not yet assigned)

EXPRESS MAIL CERTIFICATE

"Express Mail" label number: EV314259884 US

Date of Deposit: November 17, 2003

I hereby state that the following attached papers or fees

- 1. Utility Patent Application Transmittal (2 Pages)
- 2. Fee Transmittal (1 Page) in duplicate
- Preliminary Amendment (7 Pages) 3.
- 4. Copy of Declaration and Power of Attorney from prior application (3 Pages)
- 5. Request To Use Computer Readable Form From Priority Application (1 Page)
- 6. Statement To Support Filings and Submissions (1 Page)
- Paper Copy of Sequence Listing (4 Pages) 7.
- 8. Information Disclosure Statement (1 Page)
- 9. Form PTO-1449 (6 Pages) in duplicate
- Specification (52 Pages); Claims (9 Pages); Abstract (1 Page); Total: 62 Pages 10.
- 11. 2 Return Receipt Postcards

Are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above and is addressed to:

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sherell Brownlee-Davis Date 11/17/03

Addendum

1. MONOCLONAL ANTIBODIES TO HUMAN IMMUNODEFICIENCY VIRUS AND USES THEREOF